Date: Fri, 14 May 93 15:00:22 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #583
To: Info-Hams

Info-Hams Digest Fri, 14 May 93 Volume 93 : Issue 583

Today's Topics:

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 14 May 1993 15:11:16 GMT
From: boulder!tali.hsc.colorado.edu!wom.HSC.Colorado.EDU!debert@uunet.uu.net
Subject: 6 Meter HALO
To: info-hams@ucsd.edu

Wanted: *C*H*E*A*P* 6 meter HALO. If you have one laying around collecting
rust er..ah.. dust and can make me an offer I can't refuse, please let me
know. Thanks & 73

Dave K7RH [debert@essex.hsc.colorado.edu]

Date: Fri, 14 May 1993 02:18:19 GMT

From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!gatech!concert!
news-feed-1.peachnet.edu!umn.edu!csus.edu!netcom.com!netcomsv!xyzoom!
rob@network.UCSD.EDU
Subject: AMTOR question
To: info-hams@ucsd.edu

I occasionally use AMTOR on HF, finding it a nice mode for the
changing conditions of that spectrum. Just today, tuning around
14070--14085 for the first time in a few months, I heard a new sound
from some of the AMTOR signals--bursts of longer duration--about one
second per turnaround, whereas the AMTOR I've always used (and my
PK232 is programmed for) is much shorter, with 2 or 3 bursts per
second. The new sound is coming from several different stations, and
doesn't appear to be phase handshaking, as I first thought it was (and
my PK232 can't make any sense of it).

Can anyone enlighten me about this difference?

Thanks--
--Rob
--
Rob Lingelbach KB6CUN | 2660 Hollyridge Dr LA CA 90068 213 464 6266 (voice)
rob@xyzoom.info.com | "I care not much for a man's religion whose dog or
robl@netcom.com | cat are not the better for it." --Abraham Lincoln

----

Date: 13 May 93 23:53:24 EST
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
zaphod.mps.ohio-state.edu!malgudi.oar.net!uoft02.utoledo.edu!
cscon0151@network.UCSD.EDU
Subject: Full coverage mod for the Icom 728
To: info-hams@ucsd.edu

Looking for the full coverage mod for the Icom 728.

Please Email:

Brad Steinman
University of Toledo Computer Services
cscon0151@uoft02.utoledo.edu

Date: 14 May 93 17:53:36 GMT
From: concert!news-feed-1.peachnet.edu!darwin.sura.net!mojo.eng.umd.edu!
chuck@decwrl.dec.com
Subject: Going about building your first transceiver??

To: info-hams@ucsd.edu

In article <2299@indep1.UUCP> clifto@indep1.UUCP (Cliff Sharp) writes:
>In article <1993May12.063027.15378@ke4zv.uucp> gary@ke4zv.UUCP (Gary Coffman) writes:
>:
>   Not sure what you mean here. I'd gladly jump out of a swimming pool and
>grab my 12V, 800A car battery, one terminal in each hand; but I wouldn't

Not me! If you have an open wound on each hand, the 12v battery, in contact with each wound, will kill you just fine. It's the current that kills you; it's your skin's resistance that keeps the low voltages from building up enough current to harm you, usually.

The resistance of the essentially salt water that is beneath your skin is very low. A 12 volt battery can produce more than enough current through damaged skin to disrupt your heart.

Now, you say, "Who would intentionally put a wound on each terminal of a 12 volt battery?"

Well, it might not be intentional. Consider what would happen if your hands were violently propelled into a 12v source, and your skin cut by the 12v sources terminals, or circuitry. It happens to mechanics from time to time, when wrenches slip, or hands get burned and quickly withdraw. (admittedly, the more usual accident is to melt a wedding band, or a metal watch band)

Chuck Harris - WA3UQV
chuck@eng.umd.edu

Date: Thu, 13 May 1993 23:37:47 GMT
From: elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!csc.ti.com!tilde.csc.ti.com!fstop.csc.ti.com!marshal@ames.arpa
Subject: question about Radio Shack 2-MTR HT
To: info-hams@ucsd.edu

My apologies to Val Breault - N8OEF - vbreault@gmr.com for accidentally sending his post. This was my first post and I messed up big time! :-(

Regards,
Marshal

marshal@asic.sc.ti.com

Date: Thu, 13 May 1993 23:24:14 GMT
From: elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!csc.ti.com!tilde.csc.ti.com!
fstop.csc.ti.com!marshal@ames.arpa
Subject: question about Radio Shack 2-MTR HT
To: info-hams@ucsd.edu

Warning: This is my first post; hope it works and doesn't offend
anyone. :-)

I've had my no-code for a year now and haven't been on the air yet.
I was intrigued by the Radio Shack HTX-202 HT and the rumors that it
will be on sale next week for $200. Does anyone know some of the
major strengths and weaknesses of the Radio Shack 2M HT?

Also, does a 2M HT work very well from inside the vehicle? I noticed
that RS has a BNC extension with suction cups to attach to the
windshield, would that help? RS had a magnetic mount 2M 5/8 wave
antenna, has any one had experience with it? Tendency to scratch,
performance, etc.

Date: 14 May 93 17:00:33 GMT
From: olivea!inews!sousa.intel.com!jreece@decwrl.dec.com
Subject: question about Radio Shack 2-MTR HT
To: info-hams@ucsd.edu

In article <13MAY93.23933172.0017@MUSIC.LIB.MATC.EDU>, NHAR
<NHAR@MUSIC.LIB.MATC.EDU> writes:

>
> This is a fine starter radio for the price. It is very similar to the
> Icom 02AT. Physically, it's not the mini-radio class, and probably was
> built by Icom, because the battery packs are interchangeable.

It's receiver coverage is limited to 144-148 MHz, which some may consider
a liability. Mine's just for packet, so that isn't a problem.

One tip. TNC interfacing is the same as for the Icom 2AT. The two TNC
manuals I've seen don't mention the HTX specifically, and the interfacing
diagram in the HTX manual is a joke. Then again, those two TNC manuals had
different interfacing schematics for the same Icom 2AT...

--
John Reece "This lifeboat is full"
KD6RXL

Not an Intel spokesman

Date: 14 May 93 16:33:44 GMT
From: microsoft!wingnut!laurahal@uunet.uu.net
Subject: question about Radio Shack 2-MTR HT
To: info-hams@ucsd.edu

ginsburg@wellfleet.COM (Scott Ginsburg) writes:

>I recently purchased a Radio Shack HTX-202 HT and last night discovered
>that the receiver is swamped with noise from both my NCD X Terminal monitor
>and my IBM XT monitor to the point that I'm not sure I could use it on
>packet with my current computer equipment. Has anyone else with an HTX-202
>experienced similar problems, and if so have the problems been solved?

I use an HTX202 as well, and have never had any interference or intermod
problems. It has quite a sensitive front end, so if anything is making
noise, you'll hear it; in my office it picks up S9 hash over most of
2m, but with some very noisy computers in a steel-frame building,
that's to be expected. It can even hear cable channel 18 (video
carrier 145.25 MHz).

You'll need to shield your computers to use the HTX202 on packet.
Since my (true blue) PC is dead quiet anyway, I haven't had any
interference, though I haven't tried packet with my 202 yet.

73 from Vancouver.

...laura VE7LDH

Date: 14 May 1993 20:22:21 GMT
From: news.service.uci.edu!unogate!mvb.saic.com!zippy.Telcom.Arizona.EDU!
nauvax.ucc.nau.edu!cvm@network.UCSD.EDU
Subject: question about Radio Shack 2-MTR HT
To: info-hams@ucsd.edu

In article <C6znoE.45L@csc.ti.com> marshal@dadd.ti.com (Marshal Peterson) writes:

>Also, does a 2M HT work very well from inside the vehicle? I noticed

The HT inside the care will work into repeaters that are close
by and/or very high up. However the external antenna with work
unbelievably better.

>that RS has a BNC extension with suction cups to attach to the
>windshield, would that help? RS had a magnetic mount 2M 5/8 wave
>antenna, has any one had experience with it? Tendency to scratch,
>performance, etc.

I have the RS 2M 5/8 wave mag mount antenna and am very happy with it.
I got it pretty cheap because the local store had marked them down or
maybe marked them incorrectly. They sold out pretty fast.

I have a been able to compare it to a few 1/4 waves and the 5/8 does
much better into distant repeaters. I haven't compared it to other 5/8
wave antennas. The antenna does scratch the paint eventually. This is
worse if your are removing or repositioning the antenna often. I have
an oxidized $99 paint job on a '68 VW beetle, so the scratching doesn't
bother me.

One other thing I like about the antenna is that it is so flexible. I
drive under trees in the forest quite often and the antenna takes this
quite well.

--
Chris

Chris Michels -- Systems Programmer cvm@nauvax.ucc.nau.edu
Northern Arizona University -- Flagstaff, AZ cvm@nauvax.bitnet
Phone: (602) 523-6495 N7YIU

Date: 14 May 93 19:46:29 GMT
From: chapman@cu-arpa.cs.cornell.edu
Subject: Radio Shack 70cm HT?!?!
To: info-hams@ucsd.edu

u95_dgold@vaxc.stevens-tech.edu writes:

>In article <1993May14.151046.22174@newsgate.sps.mot.com>,
markm@bigfoot.sps.mot.com (Mark Monninger) writes:
>> I saw a packet posting yesterday about a Radio Shack 70cm HT. Supposedly
>> they are starting to sell them. The poster gave a model number and a
>> price...$299.95. Sounded like a 70cm version of the 2M one. Anyone here
>> know anything about it?
>>
>> Mark   AA7TA

>11 Meters allready includes 144.000 - 148.000 in the New York area.
>I guess now, we could say goodbye to 440 also.

Here is what I conclude from this posting:

(1) People in NYC have no regard for the law.

(2)That is a societal problem not likely to get fixed in our lifetimes.

(3) The FCC can't afford to catch the lawbreakers because they are
so underfunded.

(4) 2m is thus useless in NYC.

(5) To fix (4), Radio Shack should not sell good radios at a good
price because of (1) - (3).

(6) What a sorry state of affairs.

Date: 13 May 93 21:54:14 GMT
From: ftpbox!mothost!binford!mcdchg!amtfocus!jimwy@uunet.uu.net
Subject: Ramsey Kits
To: info-hams@ucsd.edu

Gotta add my 2 cents worth.

I purchased Ramsey's 40m QRP xmtr kit and corresponding rcvr kit at a
hamfest this spring.
All the pieces were there and both kits worked without a hitch.
My only major beef is that the xtal included with xmtr kit is not
in the novice band.

--

Jim Wygralak 708-632-6908 | Motorola Cellular Arlington Heights, IL
jimwy@amtfocus.amt.gss.mot.com | Advanced Manufacturing Technology Lab
DoD #0651 '74 Honda CL360

Date: 14 May 93 20:50:03 GMT
From: ogicse!emory!sol.ctr.columbia.edu!ira.uka.de!smurf.sub.org!infodn!
hikaru@network.UCSD.EDU
Subject: Reprogramming Motorola Cellular Phones (Info wanted)
To: info-hams@ucsd.edu

I am looking for information on how to put a Motorola Cellular Phone

(International Series 3000) in service/test mode.

The phone is a handheld with a screw on antenna, 2 x 8 character LCD display, 12 key numeric keypad and nine keys labeled:

```
          MR      a/c     <Dial>
                 M+    <upArw>  <Hangup>
                <Pwr>   Menu     <Vol>
```

(The <> keys actually have symbols on them, which cannot be reproduced on ASCII terminals.)

This is a GSM phone for the European market but maybe the procedure is the same as on the US models.

Please email any information or send a fax (see below) as I do not subscribe to all the groups.

Thanks in advance!

-Walter

--
   Walter Doerr   =*=   hikaru@infodn.rmi.de   =*=   FAX: +49 2421 66910
"Only Europeans understand how trivial CNN seems, because it always updates
 but never informs."   - Adam Singer, vice president international, TCI

Date: 14 May 1993 20:22:23 GMT
From: news.service.uci.edu!unogate!mvb.saic.com!zippy.Telcom.Arizona.EDU!
nauvax.ucc.nau.edu!cvm@network.UCSD.EDU
Subject: What is circular polarization?
To: info-hams@ucsd.edu

I am suprised how many responses there have been to this question. (I started this thread almost two months ago).

There have been many good explanations of circular polarization, but I am still wondering why circular polarization is used.   I have heard a couple of explanations:

1 - Cirular polarization is just the result of satellites spinning and has no real benefit.

2 - Circular polarization is intentional and allows ground stations to

not worry about the polarization of their antenna because the circular polarized signal will be oriented acceptably at least 50% of the time.

Which of these (if either) are true.

More questions, how does using a circularly polarized antenna help. If #2 above is true, then it a fixed polarized antenna would be acceptable. If this is not true, then how does a circularly polarized antenna know at what rate and orientation to spin the polarization. Does the polarization make one reveloution per wave or does it not matter? It seems that if the polarization of the signal and the receiving antenna were changing at the same rate but were 90 degrees out of phase, then the signal would be missed/lost.

I hope I have worded these questions appropriately. I can visualize circular polarization, but am not sure about the technical terms used to describe it.

--
Chris

Chris Michels -- Systems Programmer cvm@nauvax.ucc.nau.edu
Northern Arizona University -- Flagstaff, AZ cvm@nauvax.bitnet
Phone: (602) 523-6495 N7YIU

Date: 14 May 93 19:03:39 GMT
From: concert!gatech!darwin.sura.net!mojo.eng.umd.edu!mebly@decwrl.dec.com
To: info-hams@ucsd.edu

References <C6znoE.45L@csc.ti.com>, <13MAY93.23933172.0017@MUSIC.LIB.MATC.EDU>, <C710L3.EAo@inews.intel.com>p
Subject : Re: question about Radio Shack 2-MTR HT

In article <C710L3.EAo@inews.intel.com> jreece@sousa.intel.com writes:
>In article <13MAY93.23933172.0017@MUSIC.LIB.MATC.EDU>, NHAR <NHAR@MUSIC.LIB.MATC.EDU> writes:
>
>>
>> This is a fine starter radio for the price. It is very similar to the
>> Icom 02AT. Physically, it's not the mini-radio class, and probably was
>> built by Icom, because the battery packs are interchangeable.
>
>It's receiver coverage is limited to 144-148 MHz, which some may consider
>a liability. Mine's just for packet, so that isn't a problem.
>

>[...]

Ah, but that limited receiver coverage comes with a MAJOR benefit. The
HTX-202HT has EXCELLENT out-of-band rejection. This drastically improves
its performance in urban areas where intermodulation distortion is a
problem.   It is particularly good when used with external antennas. (The
rubber duckies are good attenuators :-)).

--
Mark Bailey   KD4D   Motto: Life's too short to drink cheap beer.
mebly@eng.umd.edu   Disclaimer: I didn't really say this.

Date: Fri, 14 May 1993 01:19:26 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!torn!
watserv2.uwaterloo.ca!watserv1!mks.com!richw@network.UCSD.EDU
To: info-hams@ucsd.edu

References <C6vH38.4L7@squam.banyan.com>, <1sphrr$l76@chnews.intel.com>,
<C6x4Kn.5FA@squam.banyan.com>n
Reply-To : richw@mks.com (Rich Wales)
Subject : Re: How's a Honda Accord w/50W VHF?

Another comment on the "alternator whine" or "alternator RFI" issue in
Hondas.

As I mentioned before, I initially had alternator whine with my 2M rig
in my '84 Honda Accord. I looked at the DC power input to the rig with
an oscilloscope, and with the engine running the scope showed little
scallops whose frequency varied with engine speed. Putting a filter on
the DC input eliminated this stuff entirely. So, in my case at least,
I'm pretty confident that the problem was alternator noise entering the
radio via the DC power.

Note that my car has electronic ignition but is not computerized.

--
Rich Wales <richw@mks.com>   //   Mortice Kern Systems Inc. (MKS)
35 King St. N. // Waterloo, Ontario, Canada N2J 2W9 // +1 (519) 884-2251

Date: 14 May 93 17:37:33 GMT
From: concert!news-feed-1.peachnet.edu!darwin.sura.net!mojo.eng.umd.edu!
chuck@decwrl.dec.com
To: info-hams@ucsd.edu

References <f0zC03YNd1Wm00@amdahl.uts.amdahl.com>,
<1stqqgINNk8q@mojo.eng.umd.edu>, <1t00h3INNljq@rave.larc.nasa.gov>
Subject : Re: CFV to reorganize this group

In article <1t00h3INNljq@rave.larc.nasa.gov> zawodny@arbd0.larc.nasa.gov (Dr. Joseph M Zawodny) writes:
>In article <1stqqgINNk8q@mojo.eng.umd.edu> chuck@eng.umd.edu (Chuck Harris - WA3UQV) writes:
>>
>>Bad idea! Abstaining on a vote is the same as a "yes" vote. Since SOMEONE
>>wanted the group, or it wouldn't be on the ballet. Abstaining is how we
>>get these groups that pass with 6 "yes" votes, and 0 "no" votes (and 40,000
>>abstentions)
>>
>>Chuck Harris - WA3UQV
>
>WRONG! The vote must pass by a 2/3 majority with at least 100 more YES votes
>than NO votes. I'll be surprized if we get more than 3 or 4 hundred votes

Ok, I'll rephrase the above: "Abstaining is how we get these groups that pass with 100 "yes" votes, 0 "no" votes (and 40,000 abstentions)."

Did the ratios of yes's to abstentions change all that much?

If you like things mostly the way they currently are, your only choice is to vote "NO" for all of those groups that you don't wish to vote "yes" for. It gives your vote more power.

Chuck Harris - WA3UQV

Date: 13 May 93 23:38:28 GMT
From: amdahl!amdahl!ikluft@uunet.uu.net
To: info-hams@ucsd.edu

References <C6xAy6.1ux@ucdavis.edu>, <f0zC03YNd1Wm00@amdahl.uts.amdahl.com>,
<1stqqgINNk8q@mojo.eng.umd.edu>p
Subject : Re: CFV to reorganize this group

chuck@eng.umd.edu (Chuck Harris - WA3UQV) writes:
>Bad idea! Abstaining on a vote is the same as a "yes" vote. Since SOMEONE
>wanted the group, or it wouldn't be on the ballet. Abstaining is how we
>get these groups that pass with 6 "yes" votes, and 0 "no" votes (and 40,000
>abstentions)

>Vote NO for any group that you don't want to vote YES for! We have too many
>unused newsgroups already.

An abstention isn't equivalent to yes because this isn't a simple majority
vote. Each newsgroup, in order to pass, needs at least a 2/3 majority and
the yes votes need to outnumber the no votes by at least 100.

Amazingly, even on UseNet, getting enough participation in the vote isn't
always a given. As an example of what voting volumes have been seen in other
groups, here are some recent results I pulled out of my news spool:
  comp.sys.harris passes 134:9
  soc.college.teaching-asst passes 233:37
  talk.politics.conservative fails 155:58
  comp.object.logic passes 195:22
  rec.music.light-rock fails 79:49
  comp.dcom.lans.token-ring passes 143:10

Only one of those even got into the 200's so the 100-vote-margin requirement
can be considered significant. (That's probably good, too. Making a new
newsgroup should not be easy.)

So, having shown what the voter turnout typically is, more people will probably
agree now that it's OK to abstain if you don't have an opinion on a given
newsgroup.

That's also why I keep reminding people - don't forget to vote. I hope I'm
not the only one doing that. (If enough people participate in the vote then
we will be able to say the process worked, whatever the results.)
--
Ian Kluft KD6EUI PP-ASEL   Amdahl Corporation, Open Systems Development
ikluft@uts.amdahl.com   Santa Clara, CA
[disclaimer: any opinions expressed are mine only... not those of my employer]

Date: 14 May 93 16:17:09 GMT
From: ogicse!das-news.harvard.edu!noc.near.net!transfer.stratus.com!
sw.stratus.com!fms@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1sphrr$l76@chnews.intel.com>, <C6x4Kn.5FA@squam.banyan.com>,
<1993May14.011926.7193@mks.com>
Subject : Re: How's a Honda Accord w/50W VHF?

In article <1993May14.011926.7193@mks.com>, richw@mks.com (Rich Wales) writes:
> [...]
> As I mentioned before, I initially had alternator whine with my 2M rig
> in my '84 Honda Accord. I looked at the DC power input to the rig with

> an oscilloscope, and with the engine running the scope showed little
> scallops whose frequency varied with engine speed. Putting a filter on
> the DC input eliminated this stuff entirely. So, in my case at least,
> I'm pretty confident that the problem was alternator noise entering the
> radio via the DC power.
>
> Note that my car has electronic ignition but is not computerized.
>

We found this exact waveform in my car with the scope, and did the exact
same thing -- dropped in filters between the rig and the battery (at the rig).

The good news is that, yes, it did take those little scallops out of the
O-scope waveform! :-)

The bad news is that I still get RFI in my receiver... :-(

Gotta go grab lunch... 73 de Faith N1JIT

--
Faith M. Senie   InterNet: fms@vos.stratus.com
Stratus Computer, Inc.   InterNet: fms@hoop.sw.stratus.com
55 Fairbanks Blvd.   Pkt Radio: n1jit@wa1phy.ma.usa.na
Marlboro, MA 01752   Phone: (508)460-2632

"I'm afraid I don't know very much about Romulan Disruptor settings" --Spock

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End of Info-Hams Digest V93 #583
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